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[David Gotz](#)

 October 2006 **MULTIMEDIA '06**: Proceedings of the 14th annual ACM inter  
Multimedia
**Publisher:** ACM [Request Permissions](#)Full text available: Pdf (193.53 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 66, Citation

Streaming of linear media objects, such as audio and video, has become  
Internet. Large groups of users regularly tune in to a wide variety of on  
radio shows, sports events, and news coverage. However, ...

**Keywords:** multimedia, non-linear, scalable, streaming**2** [Offline and data stream algorithms for efficient computation of synop](#)
[Sudipto Guha, Kyuseok Shim](#)
August 2005 **VLDB '05**: Proceedings of the 31st international conference on**Publisher:** VLDB EndowmentFull text available: Pdf (82.23 KB) Additional Information: [full citation](#), [abstract](#), [inc](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 27, Citation

Synopsis and small space representations are important data analysis te  
used OLAP/DSS systems, approximate query answering, query optimiza  
These techniques represent the input in terms broader characteristics ..

**3** [Proceedings of the 2003 ACM SIGMOD international conference on](#)
[Yannis Papakonstantinou, Alon Halevy, Zachary Ives](#)

 June 2003 **SIGMOD '03**: Proceedings of the 2003 ACM SIGMOD internatio  
Management of data
**Publisher:** ACMAdditional Information: [full citation](#), [abstract](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citatic

The 2003 ACM SIGMOD International Conference on Management of Da  
2003 in San Diego, California. This year, SIGMOD was part of the Feder  
Conference (FCRC-2003), which included a total of 16 conferences and

**4** [TinyDB: an acquisitional query processing system for sensor network](#)
[Samuel R. Madden, Michael J. Franklin, Joseph M. Hellerstein, Wei Hong](#)
March 2005 **Transactions on Database Systems (TODS)**, Volume 30 Issue**Publisher:** ACM [Request Permissions](#)Full text available: Additional Information: [full citation](#), [abstract](#), [ref](#)**ADVANCED SEARCH** [Advanced Search](#)**FEEDBACK**
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**Bibliometrics:** Downloads (6 Weeks): 66, Downloads (12 Months): 4627, Citations: 1

We discuss the design of an acquisitional query processor for data collection. Acquisitional issues are those that pertain to where, when, and how often data is acquired (*sampled*) and delivered to query processing ...

**Keywords:** Query processing, data acquisition, sensor networks

## 5 [The design of an acquisitional query processor for sensor networks](#)

 [Samuel Madden, Michael J. Franklin, Joseph M. Hellerstein, Wei Hong](#)

June 2003 **SIGMOD '03:** Proceedings of the 2003 ACM SIGMOD international conference on Management of data


**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (485.52 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

**Bibliometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 232, Citations: 1

We discuss the design of an acquisitional query processor for data collection. Acquisitional issues are those that pertain to where, when, and how often data is acquired (*sampled*) and delivered to query processing ...

## 6 [Event queries on correlated probabilistic streams](#)

 [Christopher Ré, Julie Letchner, Magdalena Balazinska, Dan Suciu](#)

June 2008 **SIGMOD '08:** Proceedings of the 2008 ACM SIGMOD international conference on Management of data

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (1.18 MB) Additional Information: [full citation](#), [abstract](#), [ref](#)

**Bibliometrics:** Downloads (6 Weeks): 30, Downloads (12 Months): 329, Citations: 1

A major problem in detecting events in streams of data is that the data may be noisy (e.g., RFID data). However, current state-of-the-art event detection systems such as [46] or SnooPLB[1], assume the data is *precise*. ...

**Keywords:** hidden markov models, probabilistic databases, query processing

## 7 [Events and streams: harnessing and unleashing their synergy!](#)

 [Sharma Chakravarthy, Raman Adaikkalavan](#)

July 2008 **DEBS '08:** Proceedings of the second international conference on Data Engineering Business Systems

**Publisher:** ACM


Full text available:  Pdf (804.13 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 291, Citations: 1

One of the purposes of this paper is to demonstrate the ubiquitous nature of complex events in situation monitoring and other unforeseen applications. We retrospectively analyze the progress of event-based capability ...

**Keywords:** complex event processing, data stream processing, expressive query languages, information security, monitoring applications

## 8 [A generic component model for building systems software](#)

 [Geoff Coulson, Gordon Blair, Paul Grace, Francois Taitani, Ackbar Joolia, Keerthi Thirunavukkarasu, Sivaharan](#)

February 2008 **Transactions on Computer Systems (TOCS)** , Volume 26 Iss

**Publisher:** ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (603.88 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

**Bibliometrics:** Downloads (6 Weeks): 55, Downloads (12 Months): 598, Citati



Component-based software structuring principles are now commonplace but componentization is far less established when it comes to building lc Although there have been pioneering efforts in applying componentizati

**Keywords:** Component-based software, computer systems implementa

## 9 [Communications of the ACM: Volume 52 Issue 7](#)


 July 2009 **Communications of the ACM**

**Publisher:** ACM

Full text available:  [Digital Edition](#) ,  [Pdf](#) (7.61 MB) Additional Information: [full citation](#)

**Bibliometrics:** Downloads (6 Weeks): 938, Downloads (12 Months): 938, Citat

## 10 [Sensing and using social context](#)

 [Brett Adams, Dinh Phung, Svetla Venkatesh](#)

November 2008 **Transactions on Multimedia Computing, Communicati (TOMCCAP)** , Volume 5 Issue 2

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (13.80 MB) Additional Information: [full citation](#), [abstract](#), [ref](#)

**Bibliometrics:** Downloads (6 Weeks): 61, Downloads (12 Months): 373, Citati

We present online algorithms to extract social context: Social spheres a significance, represented as convex hulls extracted from GPS traces. Co Bluetooth and GPS to extract social rhythms, patterns in ...


**Keywords:** Multimedia browsing, social context

## 11 [MPEG-4: an object-based multimedia coding standard supporting m](#)

[Atul Puri, Alexandros Eleftheriadis](#)

June 1998 **Mobile Networks and Applications** , Volume 3 Issue 1


**Publisher:** Kluwer Academic Publishers

Full text available:  [Pdf](#) (747.80 KB) Additional Information: [full citation](#), [abstract](#), [ref](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 145, Citati

The ISO MPEG committee, after successful completion of the MPEG-1 ar currently working on MPEG-4, the third MPEG standard. Originally, MPE standard for coding of limited complexity audio-visual scenes ...

## 12 [Interactive TV narratives: Opportunities, progress, and challenges](#)

 [Marian F. Ursu, Maureen Thomas, Ian Kegel, Doug Williams, Mika Tuomola Wright, Andra Leurdiik, Vilmos Zsombori, Julia Sussner, Ulf Myrestam, Nin](#)

October 2008 **Transactions on Multimedia Computing, Communication (TOMCCAP)** , Volume 4 Issue 4

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (28.03 MB) Additional Information: [full citation](#), [abstract](#), [ref](#)

**Bibliometrics:** Downloads (6 Weeks): 53, Downloads (12 Months): 407, Citati

This article is motivated by the question whether television should do m

interactive services alongside (and separately from) traditional linear pr  
its dominance being seriously challenged and threatened ...

**Keywords:** Interactive, computational narrativity, digital storytelling, e  
narrativity, nonlinear, screen media, shapeshifting, television

### 13 [Hancock: A language for analyzing transactional data streams](#)

 [Corinna Cortes, Kathleen Fisher, Daryl Pregibon, Anne Rogers, Frederick S.](#)  
March 2004 **Transactions on Programming Languages and Systems** ('

**Publisher:** ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (217.55 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 100, Citati

Massive transaction streams present a number of opportunities for data  
transactions in such streams might represent calls on a telephone netw  
purchases, stock market trades, or HTTP requests to a web ...

**Keywords:** Domain-specific languages, data mining, statistical models

### 14 [Cascadia: A System for Specifying, Detecting, and Managing RFID E](#)

 [Evan Welbourne, Nodira Khossainova, Julie Letchner, Yang Li, Magdalena](#)  
[Borriello, Dan Suciu](#)

June 2008 **MobiSys '08:** Proceeding of the 6th international conference or  
applications, and services

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (805.98 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 286, Citati

Cascadia is a system that provides RFID-based pervasive computing ap  
infrastructure for specifying, extracting and managing meaningful high-  
data. Cascadia provides three important services. First, it allows ...

**Keywords:** RFID, data management, event detection, event specificati

### 15 [Flight data recorder: monitoring persistent-state interactions to impro](#)

[Chad Verbowski, Emre Kiciman, Arunvijay Kumar, Brad Daniels, Shan Lu, .](#)  
[Roussi Roussev](#)

November 2006 **OSDI '06:** Proceedings of the 7th symposium on Operating  
implementation


**Publisher:** USENIX Association

Full text available:  [Pdf](#) (457.56 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 65, Citation

Mismanagement of the persistent state of a system---all the executable  
and other data that govern how a system functions---causes reliability p  
vulnerabilities, and drives up operation costs. Recent research ...

### 16 [Efficient pattern matching over event streams](#)

 [Jagrat Agrawal, Yanlei Diao, Daniel Gyllstrom, Neil Immerman](#)

June 2008 **SIGMOD '08:** Proceedings of the 2008 ACM SIGMOD internatio  
Management of data

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (720.31 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

**Bibliometrics:** Downloads (6 Weeks): 52, Downloads (12 Months): 607, Citations: 1

Pattern matching over event streams is increasingly being employed in financial services, RFID-based inventory management, click stream analysis systems. While regular expression matching is well studied, pattern ...

**Keywords:** event streams, pattern matching, query optimization

# 17 [MediEther: an event space for context-aware multimedia experience](#)



Susanne Boll, Utz Westermann

November 2003 **ETP '03:** Proceedings of the 2003 ACM SIGMM workshop on

**Publisher:** ACM [Request Permissions](#)

Full text available: [Pdf](#) (357.64 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 25, Citations: 0

Today, more and more events of interest all over the world such as pre-concerts, soccer matches, breaking news, etc. become available on the content like pictures, video and audio streams, or web pages. These ...

**Keywords:** multimedia event distribution and notification, peer-to-peer

# 18 [EventScript: an event-processing language based on regular expressions](#)



Norman H. Cohen, Karl Trygve Kalleberg

June 2008 **LCTES '08:** Proceedings of the 2008 ACM SIGPLAN-SIGBED conference on compilers, and tools for embedded systems

**Publisher:** ACM [Request Permissions](#)

Full text available: [Pdf](#) (355.34 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 164, Citations: 1

EventScript is a simple but powerful language for programming reactive incoming events is matched against a regular expression. Actions embedded in the expression are executed in response to the matching of patterns ...

**Keywords:** actuators, event processing, reactive programs, regular expressions

Also published in:

June 2008 **SIGPLAN Notices** Volume 43 Issue 7

# 19 [SenseEye: a multi-tier camera sensor network](#)



Purushottam Kulkarni, Deepak Ganesan, Prashant Shenoy, Qifeng Lu

November 2005 **MULTIMEDIA '05:** Proceedings of the 13th annual ACM international conference on Multimedia

**Publisher:** ACM [Request Permissions](#)

Full text available: [Pdf](#) (471.58 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

**Bibliometrics:** Downloads (6 Weeks): 21, Downloads (12 Months): 178, Citations: 1

This paper argues that a camera sensor network containing heterogeneous sensors has numerous benefits over traditional homogeneous sensor networks. We present the implementation of *senseeye*--a multi-tier network of heterogeneous ...

**Keywords:** camera sensors, hierarchical sensor networks

**Structured multimedia authoring**

Dick C. A. Bulterman, Lynda Hardman

February 2005 **Transactions on Multimedia Computing, Communication & Applications (TOMCCAP)**, Volume 1 Issue 1**Publisher:** ACM[Request Permissions](#)Full text available: [Pdf](#) (7.07 MB)Additional Information: [full citation](#), [abstract](#), [ref](#)**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 192, Citations: 0

Authoring context sensitive, interactive multimedia presentations is much more than just authoring either purely audiovisual applications or text. Interactions can be described as a set of spatio-temporal relationships that ...

**Keywords:** Multimedia authoring, SMIL, hypermedia, synchronizationResult page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#)

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